

CENTRAL INTELLIGENCE AGENCY
INFORMATION REPORT

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COUNTRY	Hungary	REPORT	
SUBJECT	Electrical Appliances and Measuring Instruments Factory (EKM)	DATE DISTR.	24 November 1954
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1. The Electrical Appliances and Measuring Instruments Factory (Elektromos Készülékek és Mérőműszerek Gyára) or EKM, the former Ferenc Fehér Electrical Precision Instruments Factory (Fehér Ferenc Elektromos Finom Mechanikai Készülékek Gyára) is located at 64 Vöröshadsereg Utja, Budapest, XIX. The factory is situated on the northeast side of Vöröshadsereg Utja. On the southeast it is flanked by a new street which separates it from an asphalt and bituminous road-building concern. To the northwest there are bombed sites and to the northeast a street, Attila Utca.

2. Production.

a. Range of Products:

- (1) Voltmeters.
- (2) Ammeters.
- (3) Carrier equipment.
- (4) Resistances for transformers.
- (5) Fuses.
- (6) Other electrical measuring instruments.
- (7) Thermometers.

b. Current production:

In 1953, production was running at an annual value of 60-66 million forints.

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c. Production priorities:

The order of importance of the range of products is as follows:

- (1) Voltmeters.
- (2) Ammeters.
- (3) Carrier equipment.
- (4) Resistances.
- (5) Others.

3. Materials.a. Identities of sources:

Thin sheets	Borsodnádasd Sheet Mills.
Metal plates, Metal bars and tubes, (Copper, etc.)	Mátyás Rákosi Metallurgical Works, Metals Factory.
Bakelite components, Cables and Wires.	Cables and Synthetic Materials Factory (Kábel és Műanyag Gyar).
Wires.	Kábel & Sodronykötél Gyar (formerly Felten & Guillaume).
Magnetic steel.	K.V.A.C. (Kőbánya Iron & Steel Foundry)

b. Deficiencies in quality:

- (1) The sheets are liable to break and are unsuitable for deep-drawing.
- (2) The magnetic steel is liable to lose its magnetic quality.

4. Destinations of Products.a. Export:

Various countries through Electroimpex	Volt meters, Ammeters.
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b. Internal consignees:

Standard Telecommunications Factory.	Carrier equipment.
Armaments Plants.	Special instruments and equipment.
Electricity Works.	Fuses and Transformers.
For General Use.	Voltmeters and ammeters.

5. Transport.

All transport is by truck.

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6. Power.

- a. Only electric power is used.
- b. Power is supplied by the national grid.
- c. There is no alternative source of supply in an emergency.

7. Labor.

- a. Total number of employees is 1,500 of whom 1,200 are women.
- b. Work is in two 8-hour shifts of full strength and a third is at reduced strength.
- c. There is a small nucleus of approximately 300 experienced workers, who have been with the factory for a long time. The rest are unskilled female workers.
- d. The workers live in various districts of Budapest, mainly Kispest and Pestszentlőrinc.
- e. Personnel travel to work by streetcar or bus.

8. Machinery.

Machine tools consist of the following:

- a. 15 - 18 stamping machines.
 - 20 fully automatic and semi-automatic lathes, or turret lathes.
 - 5 small planing machines.
 - 6 small lathes.
 - 12 drilling machines.
 - 1 complete metal working shop, containing all kinds of machine tools.
(This equipment is modern, but insufficient to cope with the present rate of production.)
- b. The machine tools are mainly of Hungarian and Czechoslovakian manufacture. Two of the automatic machines, which were acquired some time ago, are of British manufacture.
- c. There is a mechanical testing room (with non-automatic airconditioning), and an electrical measuring laboratory (with automatic airconditioning). There is no chemical laboratory.
- d. Assembly is by production line which is not mechanized.

9. Quality and Quantity Control.

- a. The control of efficiency is carried out in the same way as at the Csepel Automobile Works.
- b. The quality control organization, which is efficient, is divided into two sections, one for mechanical tests, (35 inspectors) and one for electrical tests (50 inspectors).

10. Bottlenecks

- a. Bottlenecks have been caused in the past by:
 - (1) Lack of space.

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(2) Lack of labor.

(3) Lack of designing staff.

(4) Lack of instruments.

b. In 1953 there were no bottlenecks.

c. Serious bottlenecks would be caused by any stoppages in the machining shop or the electrical laboratory.

11. Security

The plant is protected only by doorkeepers, night watchmen and members of the work's fire brigade.

12. Organization

a. The concern is subordinate to the Industrial Directorate for Instruments in the Ministry of Metallurgy and Mechanical Engineering.

b. The head of the quality control organization is called Pinter (fnu), an engineer and Party member.

Legend

The legend to the attached three annexes showing layout of the buildings and plant is as follows:

Annex: A(First Floor)

1. Vöröshadsereg utja.
2. Electric streetcar lines going to Pestszentlőrinc. (Lines Nos. 42, 50 & 52).
3. Electric streetcar lines leading to Pest.
4. Asphalt and bituminous road-building works.
5. New street (name not known).
6. Main entrance (pedestrians and passenger cars only).
7. Front garden.
8. Porter's lodge.
9. Small fence.
10. Management building. (The basement contains the welding and pickling shops. These premises are approached by a staircase marked number 24).
11. Secretariat.
12. Director's room.
13. Chief engineer's room.
14. - 17. Offices.
18. - 19. Designing office.
20. - 21. Technological offices.

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22. Office.
23. Steps leading up to entrance.
24. Steps down to basement.
25. Communist Party office.
26. Trade Union Office.
27. Party and Trade Union conference room.
28. Steps up to entrance.
29. Staircase and lavatories.
30. Metal working shop.
31. Automatic machinery hall.
32. Quality control.
33. Storage for semi-finished products.
34. Staircase.
35. Canteen and restaurant.
36. Steps up to entrance.
37. Steps down to air-raid shelter and boiler house.
38. Store room.
39. Quality control.
40. Quality control office.
41. Depot for goods awaiting dispatch.
42. Garden.
43. Attila utca.
44. Bombed sites.
45. Spare entrance.
46. Basement containing stamping and tool-making shop.
47. Entrance for trucks (Iron gate).

Annex: B

(Second Floor)

1. Staircase.
2. Final assembly line.
3. Production line for components.
4. Staircase.

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Annex: C

(Third Floor)

1. Staircase.
 2. Instruments testing room.
 3. Electrical measuring laboratory.
 4. Store for components to be tested.
 5. Assembly shop.
 6. Staircase.
 7. New electrical laboratory. (Not fully equipped by September 1953).
- Annexes: (A) Electrical Appliances and Measuring Instruments Factory. 1st Floor (1 p.)
(B) As above. Second Floor (1 p.)
(C) As above. Third Floor (1 p.)

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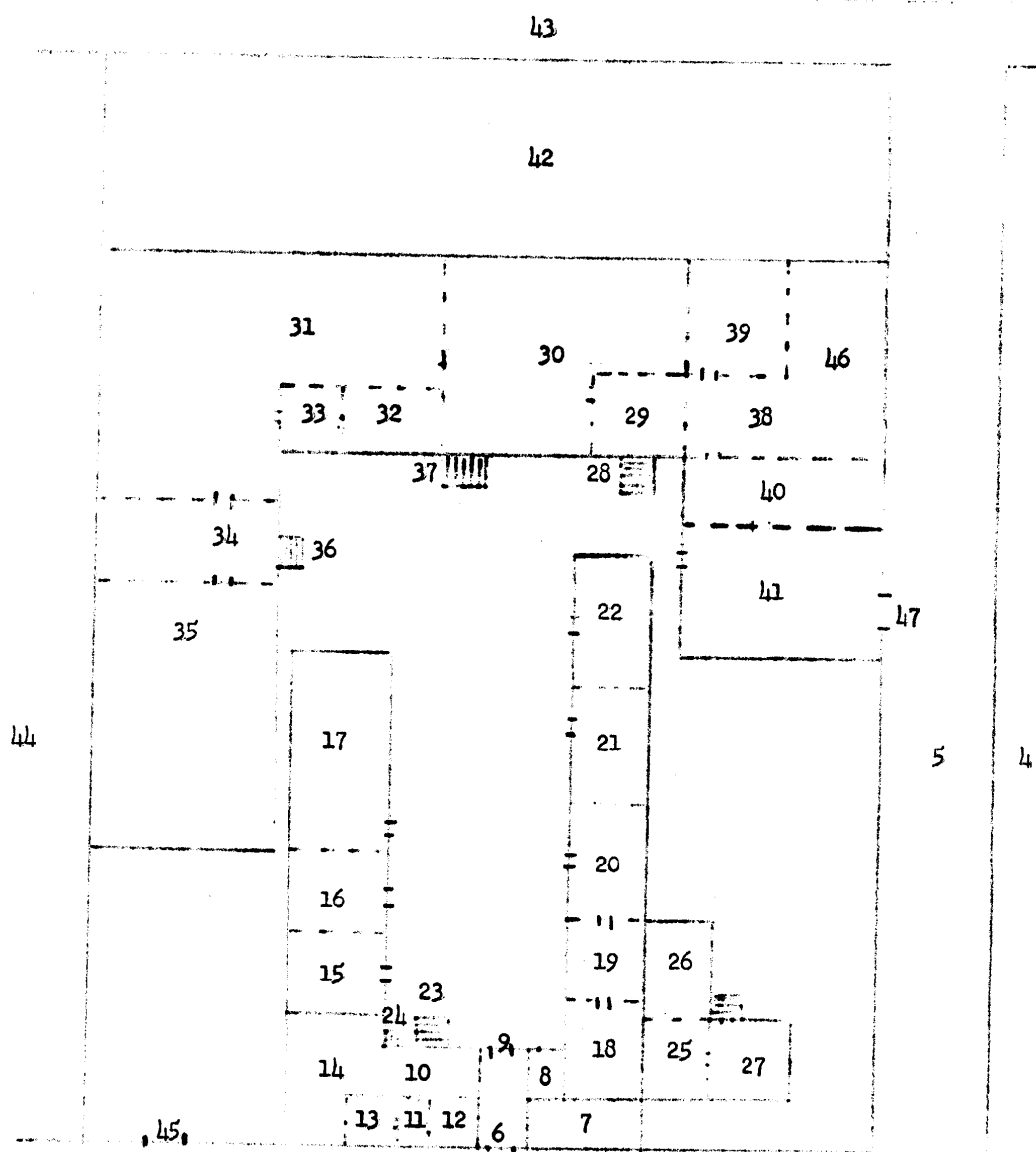
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Annex: A. Electrical Appliances and Measuring Instruments Factory (EKM).

The first floor.



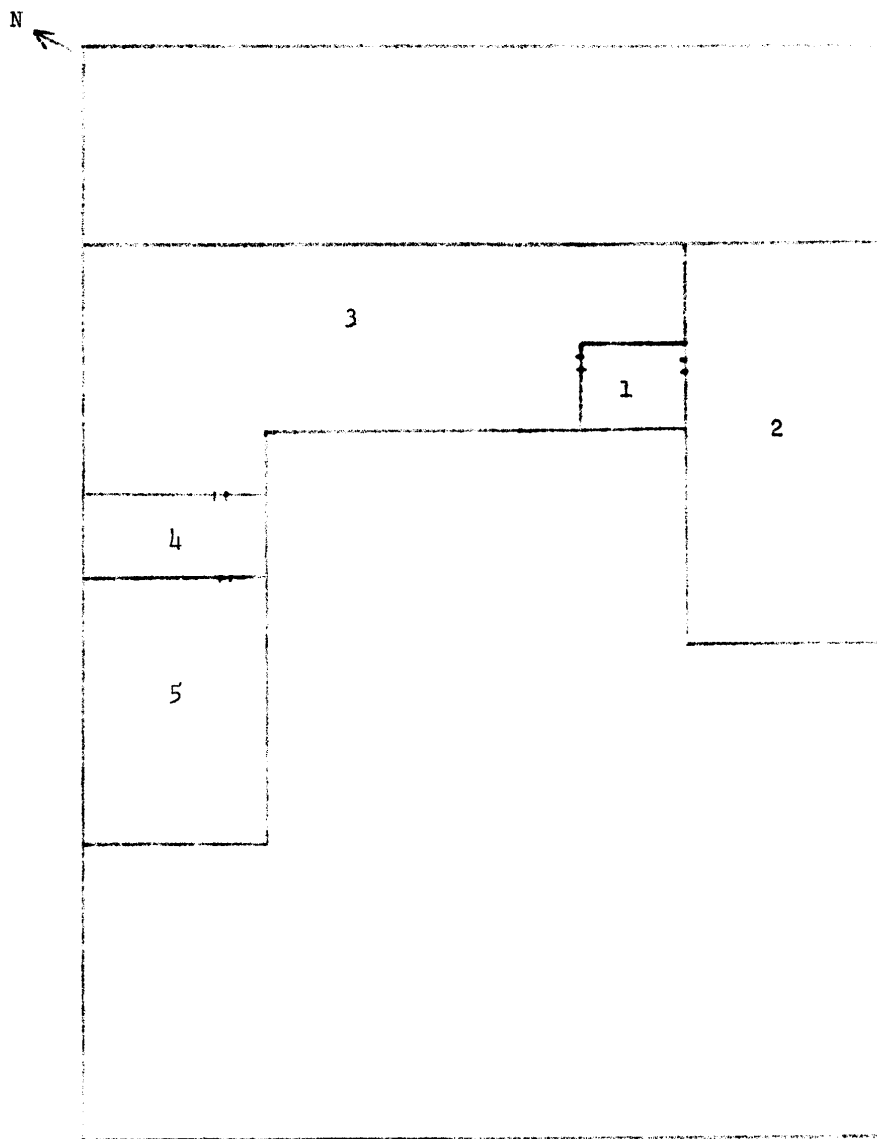
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Annex: B. EKM. The Second Floor



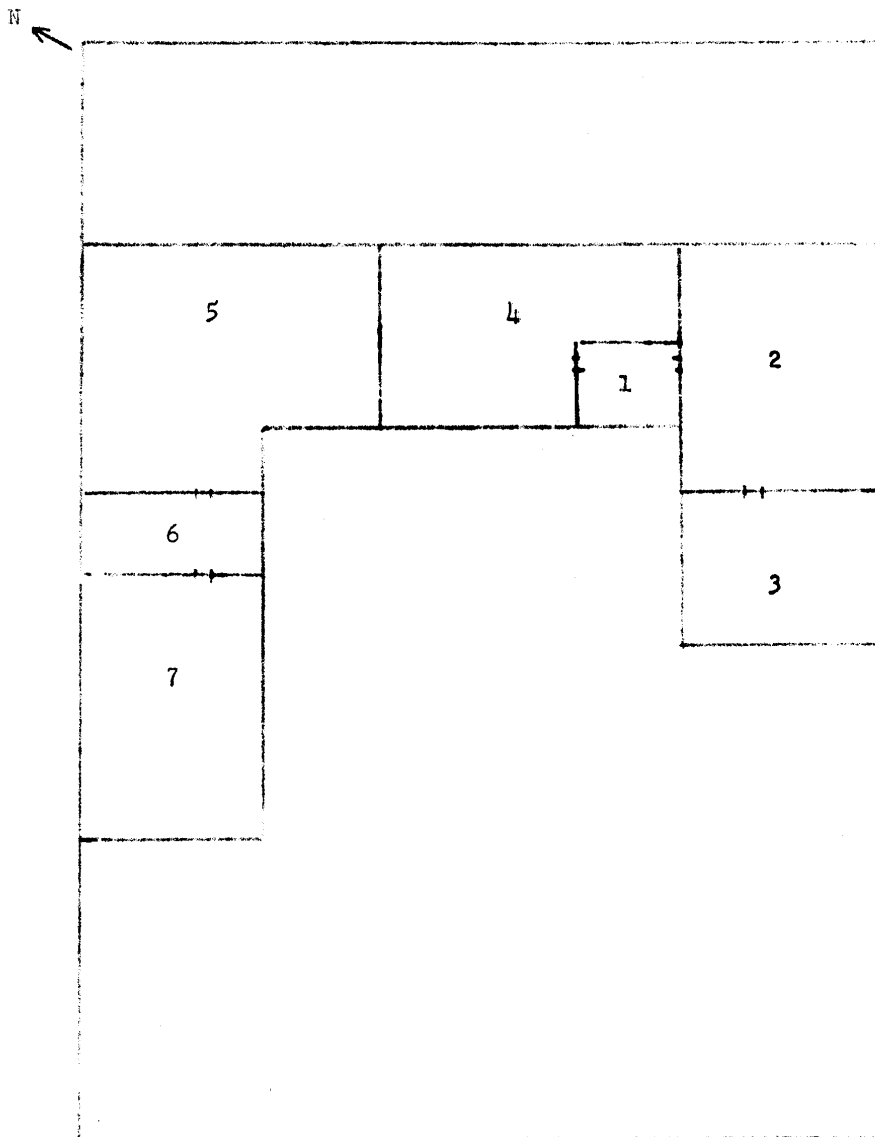
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Annex: C. EKM. The Third Floor



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